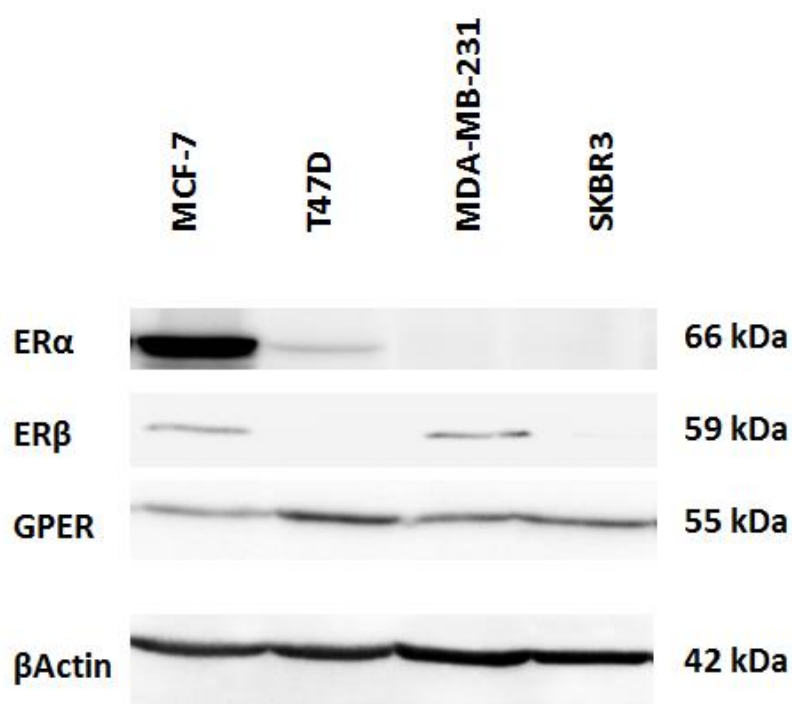


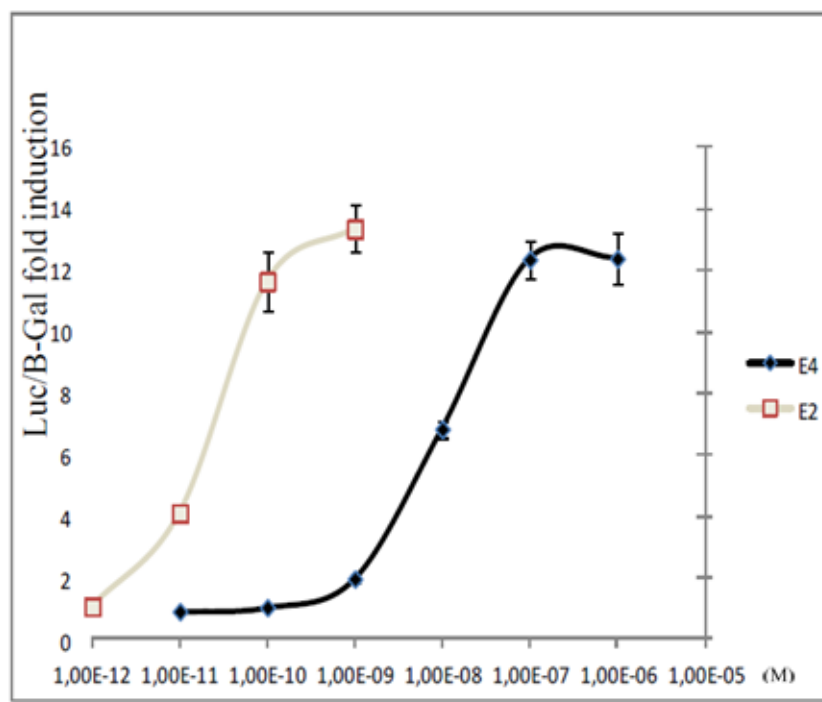
Combined estrogenic and anti-estrogenic properties of estetrol on breast cancer may provide a safe therapeutic window for the treatment of menopausal symptoms

Supplementary Material



Suppl Figure 1

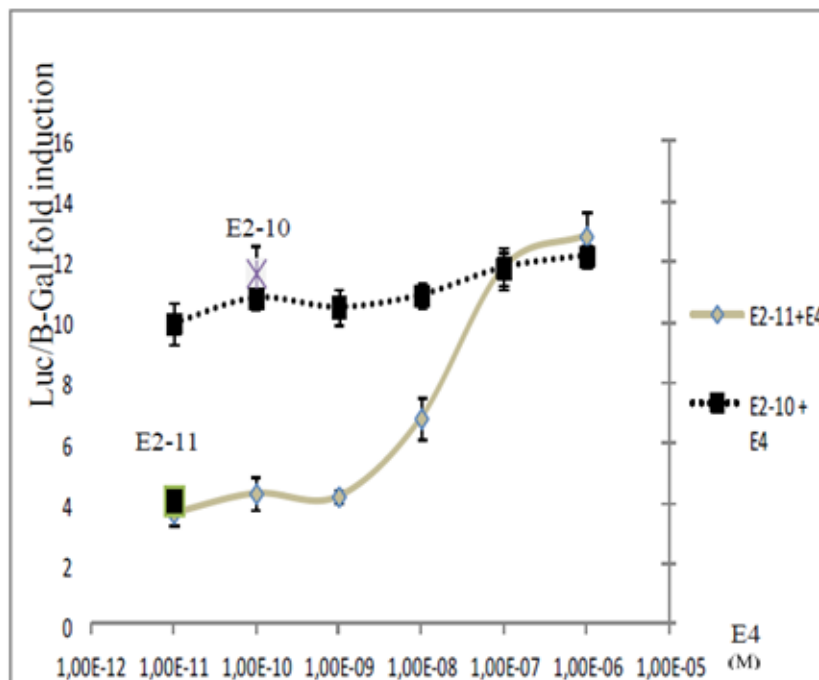
Estrogen receptor status in MCF-7, T47D, MDA-MB-231 and SKBR3 cells.
ER α , ER β and GPER expression detected by immunoblotting.



Suppl Figure 2

Transactivation of an ERE-Luc reporter gene.

MCF-7 cells were transfected with the ERE-Luciferase reporter and treated with increasing concentrations of E2 (grey curve) and E4 (black curve). Results are expressed as mean \pm SEM fold induction for the Luciferase normalized by β -galactosidase activation.



Suppl Figure 3

Transactivation of an ERE-Luc reporter gene: impact of E2+E4.

MCF-7 cells were transfected with the ERE-Luciferase reporter and treated with different combinations of E2+E4. E4 was added at increasing concentrations in the presence of E2 at 2 different concentrations (1×10^{-11} M or 1×10^{-10} M). Results are expressed as mean \pm SEM fold induction for the Luciferase normalized by β -galactosidase activation.